

SYSTEM AND METHOD FOR ON-BOARD DIAGNOSTICS OF MEMORY MODULES

ABSTRACT OF THE DISCLOSURE

A memory hub includes an on-board diagnostic engine through which diagnostic testing and evaluation of the memory system can be performed. The memory hub includes a link interface for receiving memory requests for access to memory devices of the memory system and a memory device interface coupled to the memory devices for coupling memory requests to the memory devices. A memory hub diagnostic engine is coupled through a switch to the link interface and the memory device interface to perform diagnostic testing of the memory system. The diagnostic engine includes a maintenance port that provides access to results of the diagnostic testing and through which diagnostic testing commands can be received.